Claims

[c1] 1-Method for lowering ocular hypertension, comprising administering, to a patient in need thereof, a topical ophthalmic eye drop or ointment containing NO releasing agents and cGMP-PDE5 inhibitors;

[c2] 2-Method according to claim 1, wherein said topical ophthalmic eye drop or ointment is in the form of an aqueous solution or suspension, or in the form a gel, or a cream in a pharmaceutically acceptable ophthalmic vehicle, or in the form of an erodible ocular insert or of a "reservoir" system with a polymer membrane or a gel to be placed in the conjunctival sac.

[c3] 3-Method according to claim 1, wherein the No releasing agent in said ophthalmic medicament is Organic nitrates such as nitroglycerine.

[c4] 4-Method according to claim 1, wherein the No releasing agent in said ophthalmic medicament is O-nitrosylated compounds also known as O-nitroso compounds or in some cases organic nitrites.

[c5] 5-Method according to claim 1, wherein the No releasing agent in said ophthalmic medicament is S-nitrosylated compounds also known as S-nitroso compounds or S-nitrosothiols compounds such as glutathione.

[c6] 6-Method according to claim 1, wherein the No releasing agent in said ophthalmic medicament is S-nitrosylated derivatives of captopril.

[c7] 7-Method according to claim 1, wherein the No releasing agent in said ophthalmic medicament is S-nitrosylated-proteins/peptides.

[c8] 8-Method according to claim 1, wherein the No releasing agent in said ophthalmic medicament is S-nitrosylated oligosaccharides and polysaccharides.

[c9] 9-Method according to claim 1, wherein the No releasing agent in said ophthalmic medicament is Nonoates compounds such as piperazines 2 and diazeniumdiolates.

[c10] 10-Method according to claim 1, wherein the No releasing agent in said ophthalmic medicament is Inorganic nitroso compounds such as sodium

nitroprusside.

[c11] 11-Method according to claim 1, wherein the No releasing agent in said ophthalmic medicament is Sydnonimines.

[c12] 12-Method according to claim 1, wherein the No releasing agent in said ophthalmic medicament is L-arginine (which does not release NO directly, but rather is an enzyme substrate which leads to the formation of nitric oxide in vivo).

[c13] 13-Method according to claim 1, wherein the No releasing agent in said ophthalmic medicament is 1,3-(nitrooxymethyl)phenyl 2-hydroxybenzoate isosorbide dinitrate.

[c14] 14-Method according to claim 1, wherein the No releasing agent in said ophthalmic medicament is pyrimidine (also known as Minoxidil or Rogaine RTM).

[c15] 15-Method according to claim 1, wherein the cGMP specific PDE-5 inhibitor in said ophthalmic solution is (sildenafil) also known as 1-[[3-(6,7dihydro -1 -methyl-7-oxo-3-propyl- 1 H-pyrazolo[4,3-d]pyrimidin-5-yl)-4 ethoxyphenyl] sulphonyl]-4-methylpiperazine.

[c16] 16-Method according to claim 1, wherein the cGMP specific PDE-5 inhibitor in said ophthalmic solution is sildenafil citrate, (Viagra RTM) also known as 1-[[3-(6,7dihydro -1 -methyl-7-oxo-3-propyl- 1 H-pyrazolo[4,3-d]pyrimidin-5-yl)-4 ethoxyphenyl]sulphonyl]-4-methylpiperazine citrate.

[c17] 17-Method according to claim 1, wherein the cGMP specific PDE-5 inhibitor in said ophthalmic solution is 3-ethyl-5-[5-(4-ethylpiperazin-1 -ylsulphonyl)-2-n-propoxyphenyl]-2-(pyridin-2yl)methyl-2,6-dihydro-7H-pyrazolo[4,3-d] pyrimidin-7-one.

[c18] 18-Method according to claim 1, wherein the cGMP specific PDE-5 inhibitor in said ophthalmic solution is 1-{6-ethoxy-5-[3-ethyl-6,7-dihydro-2-(2-methoxyethyl)-7-oxo-2H-pyrazolo[4,3-d]pyrimidin-5-yl]-3 pyridylsulphonyl}-4-ethylpip- erazine.

[c19] 19-Method according to claim 1, wherein said topical ophthalmic solution is in the form of an aqueous solution and further contains one or more tonicity adjusting agents, one or more buffers and one or more antioxidants.

[c20] 20- Method according to claim 1, wherein said topical ophthalmic solution further contains one or more antimicrobial agents.

[c21] 21-The composition according to claim 1, wherein said dose is in pill form for oral administration.

[c22] 22-The method according to claim 1, wherein said topical ophthalmic solution further contains one or more combinations of NO donors and cGMP PDE5 inhibitors.

[c23] 23-The method according to claim 1, wherein said topical ophthalmic solution further contains one or more weight percentage combinations of NO donors and cGMP PDE5 inhibitors.